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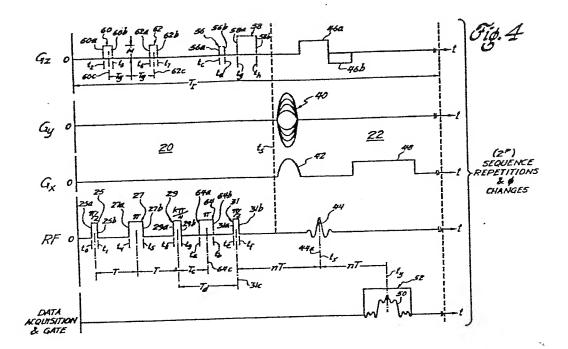
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Methods of, and pulse sequences for, the suppression of undesired resonances by generation of quantum coherence in NMR imaging and spectroscopy.

⁽⁵⁾ Methods for generating non-single-quantum coherences and suppress single-quantum coherences, such as from water molecules, use a pulse subsequence (20), prior to a normal excitation/response signal sequence (22) in Nuclear Magnetic Resonance imaging and/or spectroscopy, to constructively sum image signals exhibiting multiple quantum behavior, while subtracting pairs of response signals originating in non-coupled-spin systems. A variety of multistep phase-cycling programs for achieving zero-quantum and multiple-quantum filtering are disclosed.





EUROPEAN SEARCH REPORT

DOCUMENTS CONSIDERED TO BE RELEVANT				EP 87100525.2
Category		th indication, where appropriate, vant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI 4)
А	<u>US - A - 4 238 735</u> (MULLER)		1,2	G 01 N 24/08
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	JOURNAL OF MAGNETIC RESONANCE, vol. 55, no. 2, November 1983, New York		. 1	
	P.J.HORE "Solvent Suppression in Fourier Transform Nuclear Magnetic Resonance" pages 283-300			· ,
	* Totality *			
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Α		5 (SPECTROSPIN AG)	1	
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				TECHNICAL FIELDS SEARCHED (Int. CI 4)
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1	The present search report has t	·		
		Date of completion of the search $18-11-1987$		Examiner BURGHARDT
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A: te	cument of the same category chnological background n-written disclosure termediate document		of the same pate	nt family, corresponding